

FACILITY PERMIT TO OPERATE VERTIS, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: PRINTING, DRYING AND CONTROL SYSTEMS					
PRINTING PRESS, LITHOGRAPHIC, NO. 906, HARRIS, HEATSET A/N:	D1			VOC: (9) [RULE 1130, 10-8-1999; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	B27.1, H23.2, K67.2
OVEN, NO. 1, NATURAL GAS, 3.4 MMBTU/HR TOTAL, TWO MAXON M-PAKT ULTRA EB-3 BURNERS, EACH 1.7 MMBTU/HR A/N:	D2	C3 C23		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV (5) [RULE 1147, 12-5-2008]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D182.3, H23.6
PRINTING PRESS, LITHOGRAPHIC, HARRIS N-954-3, HEATSET A/N:	D4			VOC: (9) [RULE 1130, 10-8-1999; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	B27.1, H23.2, K67.2
OVEN, NO. 2, NATURAL GAS, 3.4 MMBTU/HR TOTAL, TWO MAXON M-PAKT ULTRA EB-3 BURNERS, EACH 1.7 MMBTU/HR A/N:	D5	C3 C23		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV (5) [RULE 1147, 12-5-2008]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D182.3, H23.6
PRINTING PRESS, LITHOGRAPHIC, NO. 701, GOSS, HEATSET A/N:	D6			VOC: (9) [RULE 1130, 10-8-1999; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	B27.1, H23.2, K67.2
OVEN, NO. 3, NATURAL GAS, 3.4 MMBTU/HR TOTAL, TWO MAXON M-PAKT ULTRA EB-3 BURNERS, EACH 1.7 MMBTU/HR A/N:	D7	C3 C23		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 30 PPMV (5) [RULE 1147, 12-5-2008]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D182.3, H23.6

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: PRINTING, DRYING AND CONTROL SYSTEMS					
PRINTING PRESS, LITHOGRAPHIC, HARRIS N-954-5, HEATSET A/N:	D15			VOC: (9) [RULE 1130, 3-8-1996; RULE 1171, 6-13-1997]	B27.1, H23.2, K67.2
OVEN, NO.4, NATURAL GAS, 3.4 MMBTU/HR TOTAL, TWO MAXON M-PAKT ULTRA EB-3 BURNERS, EACH 1.7 MMBTU/HR A/N:	D16	C3 C23		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D182.3, H23.6
AFTERBURNER, L&E AMERICA, MODEL TR2590C, NATURAL GAS, REGENERATIVE HOT ROCK TYPE WITH TWO CERAMIC BEDS, 4.3 MMBTU/HR A/N: 450248 Permit to Construct Issued: 04/14/06	C23	D2 D5 D7 D16		CO: 2000 PPMV NATURAL GAS (5) [RULE 407, 4-2-1982]; NOX: 60 PPMV (5) [RULE 1147, 12-5-2008]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF NATURAL GAS (5) [RULE 409, 8-7-1981]	D29.1, D182.2, E193.1, E193.2, H23.5
PRINTING PRESS, INKJET PRINTER, VIDEOJET, MODEL NO. BX6500, SHEET-FED, AIR-DRY A/N: 483696 Permit to Construct Issued: 12/09/08	D24			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.1, B59.1, H23.4, K67.3
PRINTING PRESS, INKJET PRINTER, VIDEOJET, MODEL NO. BX6500, SHEET-FED, AIR-DRY A/N: 484165 Permit to Construct Issued: 12/09/08	D25			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	A63.1, B59.1, H23.4, K67.3

- * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements
- ** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE VERTIS, INC.

SECTION H: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

FACILITY PERMIT TO OPERATE VERTIS, INC.

SECTION H: DEVICE ID INDEX

Device Index For Section H			
Device ID	Section H Page No.	Process	System
D1	1	1	0
D2	1	1	0
D4	1	1	0
D5	1	1	0
D6	1	1	0
D7	1	1	0
D15	2	1	0
D16	2	1	0
C23	2	1	0
D24	2	1	0
D25	2	1	0

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The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F2.1 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 590 LBS IN ANY ONE DAY

The operator shall maintain records in a manner approved by the District, to demonstrate compliance with this condition.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

F2.2 The operator shall limit emissions from this facility as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 833 LBS IN ANY ONE MONTH

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The operator shall comply with the terms and conditions set forth below:

This limit shall only apply to VOC emissions from processes subject to District Rule 442

To ensure compliance with the monthly Volatile Organic Compound(VOC) emission limit(s) of this condition, the operator shall comply with the following recordkeeping requirements:

- (1) The operator shall comply with Rule 109 (Recordkeeping for Volatile Organic Compound Emissions).
- (2) Within 14 calendar days after the end of each month, the operator shall total and record VOC emissions for the month from all equipment and operations covered by the monthly emission limit(s). The record shall include any procedures used to account for control device efficiencies and/or waste disposal. It shall be signed and certified for accuracy by the highest ranking individual responsible for compliance with District rules.
- (3) The operator shall maintain a single list which includes only the name and address of each person from whom the facility acquired VOC-containing material regulated by the District that was used or stored at the facility during the preceding 12 months.
- (4) The operator shall retain all purchase invoices for all VOC-containing material used or stored at the facility, and all waste manifests for all waste VOC-containing material removed from the facility, for five years.

[RULE 442, 12-15-2000]

- F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:
- (a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or
 - (b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

DEVICE CONDITIONS

A. Emission Limits

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
VOC	Less than or equal to 15 LBS PER DAY

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D24, D25]

B. Material/Fuel Type Limits

B27.1 The operator shall not use materials containing any toxic air contaminants (TACs) identified in the SCAQMD Rule 1401, as amended 12/07/1990.

[RULE 1401, 12-7-1990]

[Devices subject to this condition : D1, D4, D6, D15]

B59.1 The operator shall not use the following material(s) in this device :

Materials containing toxic air contaminants identified in Rule 1401, Table I, with an effective date of March 7, 2008 or earlier, except for isopropyl alcohol and chromium.

[RULE 1401, 3-7-2008]

[Devices subject to this condition : D24, D25]

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The operator shall comply with the terms and conditions set forth below:

D. Monitoring/Testing Requirements

D29.1 The operator shall conduct source test(s) for the pollutant(s) identified below.

Pollutant(s) to be tested	Required Test Method(s)	Averaging Time	Test Location
VOC	EPA method 25 or 25A	1 hour	Inlet and outlet simultaneously

The test(s) shall be conducted at least once during the life of the permit.

The test shall be conducted no later than September 22, 2013 unless otherwise approved in writing by the District.

The test shall be conducted to determine the VOC emissions using an approved District method to demonstrate compliance with all applicable permit condition(s), rules and regulations.

The source test shall be conducted while the oxidizer is operating at a temperature of not less than the minimum operating temperature specified in this permit. If the operating temperature during the source test is greater than the minimum operating temperature specified in the permit, the minimum operating temperature specified in this permit may be increased to reflect the operating temperature during the source test

The operator shall comply with administrative conditions NOs. 8, 9, and 10 of section E of this facility permit

The operator shall submit two complete copies of the source test report specified in condition No.9 of section E of this facility permit to the District Engineering and Compliance Division. The Engineering copy of the report shall be sent to: SCAQMD, Coating, Printing and Aerospace Operations, Attn: AQACS, 21865 Copley Drive, Diamond Bar, CA 91765. The compliance copy of the report shall be sent to: SCAQMD, P.O.Box 4941, Diamond Bar, CA 91765

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The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C23]

D182.2 The operator shall test this equipment in accordance with the following specifications:

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SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- A. The source test shall be conducted no later than 180 days after the initial start-up of this equipment unless otherwise approved in writing by the District.
- B. A source test protocol shall be submitted to the District no later than 60 days after the initial start-up of this equipment unless otherwise approved in writing by the District. The test protocol shall be approved in writing by the District before the test commences.
- C. The test protocol shall include the completed forms ST-1 and ST-2 specifying the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, a statement from the testing laboratory certifying that it meets the criteria in District Rule 304(k), and a description of the sampling and analytical procedures to be used.
- D. The source tests shall consist of, but may not be limited to, testing of the oxidizer for:
 - 1. Volatile organic compound (VOC) emissions in ppmv and lbs/hr.
 - 2. VOC destruction efficiency.
 - 3. VOC collection efficiency.
 - 4. Usage of all VOC-containing material during the test.
 - 5. Oxygen content.
 - 6. Moisture content.
 - 7. Flow rate.
 - 8. Temperature.
- E. The test shall be conducted when this equipment is operating with all printing press equipment served by this APC system in operation at normal production rates.

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The operator shall comply with the terms and conditions set forth below:

F. The source tests shall be conducted while the oxidizer is operating at a temperature of not less than the minimum operating temperature specified in this permit. If the operating temperature during the source tests is greater than the minimum operating temperature specified in this permit, the minimum operating temperature may be increased at the time a permit to operate is issued to reflect the operating temperature during the source tests.

G. A written notice of the source tests shall be submitted to the District at least 14 days prior to the source testing date so that an observer from the District may be present.

H. Two complete copies of the source test report shall be submitted to the District within 45 days after the source testing date unless otherwise approved in writing by the District. The source test report shall include, but may not be limited to, all testing data required by this condition.

I. A testing laboratory certified by the California Air Resources Board in the required test methods for the criteria pollutants to be measured, and in compliance with District Rule 304 (no conflict of interest) shall conduct the test.

J. Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

K. The results of all tests (including preliminary tests) that are conducted on this equipment for informational purposes shall be submitted to the District within 45 days after the testing date unless otherwise approved in writing by the District.

[RULE 1130, 10-8-1999; RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C23]

D182.3 The operator shall test this equipment in accordance with the following specifications:

FACILITY PERMIT TO OPERATE VERTIS, INC.

SECTION H: PERMIT TO CONSTRUCT AND TEMPORARY PERMIT TO OPERATE

The operator shall comply with the terms and conditions set forth below:

- A. The source test shall be conducted no later than 180 days after the initial start-up of this equipment unless otherwise approved in writing by the District.
- B. A source test protocol shall be submitted to the District no later than 60 days after the initial start-up of this equipment unless otherwise approved in writing by the District. The test protocol shall be approved in writing by the District before the test commences.
- C. The test protocol shall include the proposed operating conditions of the equipment during the test, the identity of the testing laboratory, a statement from the testing laboratory certifying that it meets the criteria in District Rule 304(k), and a description of the sampling and analytical procedures to be used.
- D. The source tests shall consist of, but may not be limited to, testing of the dryer NO_x and CO emissions, referenced at 3 percent volume stack gas oxygen on a dry basis, during as-found operating conditions of each dryer.
- E. NO_x and CO Emission determination shall be averaged over a period of at least 15 and no more than 60 consecutive minutes, and at least 15 minutes after unit start-up.
- F. A written notice of the source tests shall be submitted to the District at least 14 days prior to the source testing date so that an observer from the District may be present.
- G. Two complete copies of the source test report shall be submitted to the District within 45 days after source testing date unless otherwise approved in writing by the District. The source test report shall include, but may not be limited to, all testing data required by this condition.
- H. A testing laboratory certified by the California Air Resources Board in the required test methods for the criteria pollutants to be measured, and in compliance with District Rule 304 (no conflict of interest) shall conduct the test.
- I. Sampling facilities shall comply with the District guidelines for construction of sampling and testing facilities, pursuant to Rule 217.

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The operator shall comply with the terms and conditions set forth below:

J. The results of all tests (including preliminary tests) that are conducted on this equipment for informational purposes shall be submitted to the District within 45 days after the testing date unless otherwise approved in writing by the District.

[RULE 1147, 12-5-2008]

[Devices subject to this condition : D2, D5, D7, D16]

E. Equipment Operation/Construction Requirements

E193.1 The operator shall operate and maintain this equipment as follows:

To achieve a minimum overall control efficiency (collection and destruction) of 95 percent for VOC during the normal operation of the equipment it vents.

This condition applies to VOC emissions from inks.

[**RULE 1303(a)(1)-BACT, 5-10-1996**; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : C23]

E193.2 The operator shall operate and maintain this equipment according to the following requirements:

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The operator shall comply with the terms and conditions set forth below:

The combustion chamber temperature shall be maintained at a minimum of 1,400 degrees Fahrenheit whenever the equipment it serves is in operation.

The operator shall operate and maintain a temperature measuring and recording system to continuously measure and record the combustion chamber temperature pursuant to the operation and maintenance requirements specified in 40 CFR Part 64.7. Such a system shall have an accuracy of within 1% of the temperature being monitored and shall be inspected, maintained, and calibrated on an annual basis in accordance with the manufacturer's specifications.

For the purpose of this condition, a deviation shall be defined as when the combustion chamber temperature of less than 1,400 degrees Fahrenheit occurs during the normal operation of the equipment it serves. The operator shall review the records of the combustion chamber temperature on a daily basis to determine if a deviation occurs or shall install an alarm system to alert the operator when a deviation occurs.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective actions to maintain the combustion chamber temperature at or above 1,400 degrees Fahrenheit, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if an accumulation of deviations exceeds 5 percent duration of this equipment's total operating time for any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

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The operator shall comply with the terms and conditions set forth below:

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C23]

H. Applicable Rules

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : D1, D4, D6, D15]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109
VOC	District Rule	442

[RULE 109, 5-2-2003; RULE 442, 12-15-2000]

[Devices subject to this condition : D24, D25]

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The operator shall comply with the terms and conditions set forth below:

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	District Rule	1147

Prior to modification of this equipment to come into compliance with the emission limit of this rule, the operator shall submit an application and receive approval for construction or modification of the equipment

[RULE 1147, 12-5-2008]

[Devices subject to this condition : C23]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
NOX	District Rule	1147

[RULE 1147, 12-5-2008]

[Devices subject to this condition : D2, D5, D7, D16]

K. Record Keeping/Reporting

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

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The operator shall comply with the terms and conditions set forth below:

Usage of inks, fountain solution, roller wash, blanket wash and any other materials containing VOC, in gallons or pounds per day of each material.

Density of inks, in pounds per gallon and percentage by weight of lithographic oils in ink.

Ink absorption factor as specified by current AQMD Guidelines.

Emissions in pounds of VOC per day

MSDS shall be kept current for all materials used.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D1, D4, D6, D15]

K67.3 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

Usage of inks, solvents and any other VOC-containing materials, in gallons or pounds per day of each material

Density of inks, in pounds per gallon.

Emissions in pounds of VOC per day

Material Safety Data Sheets shall be kept current for all materials used in this equipment.

[RULE 109, 5-2-2003; RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D24, D25]